

FIG. 2

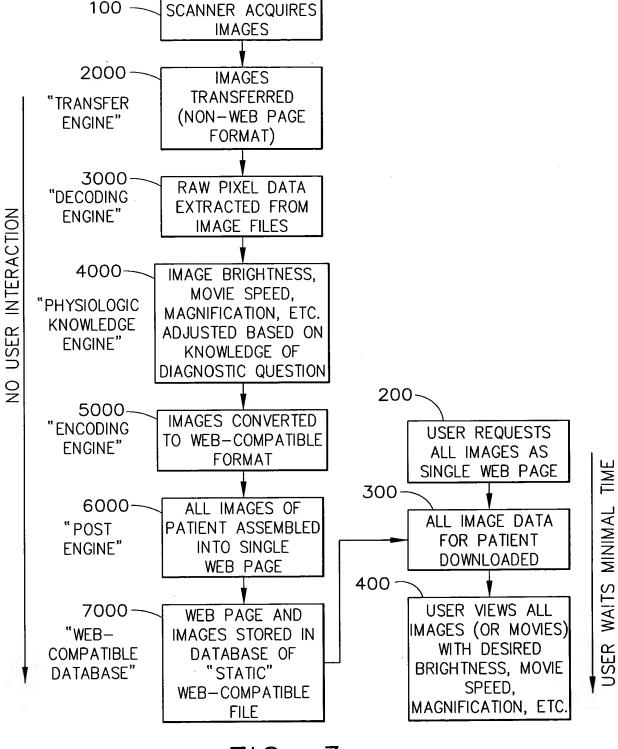


FIG. 3

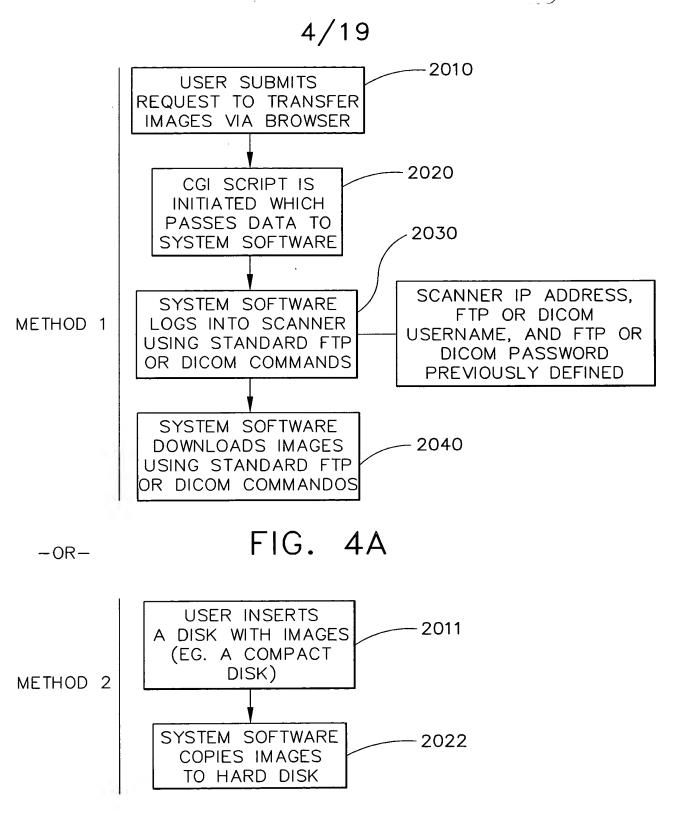


FIG. 4B

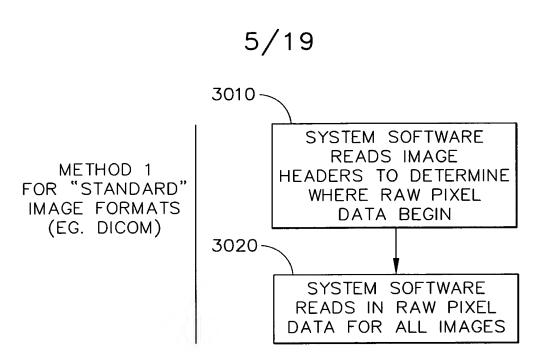


FIG. 5A

-OR-

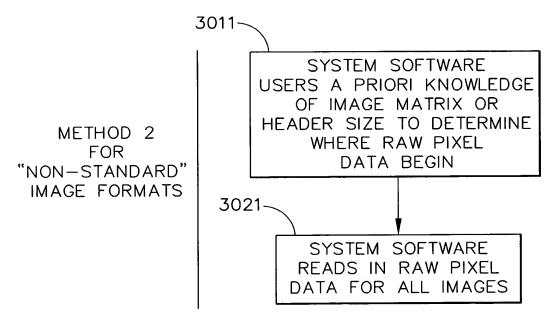
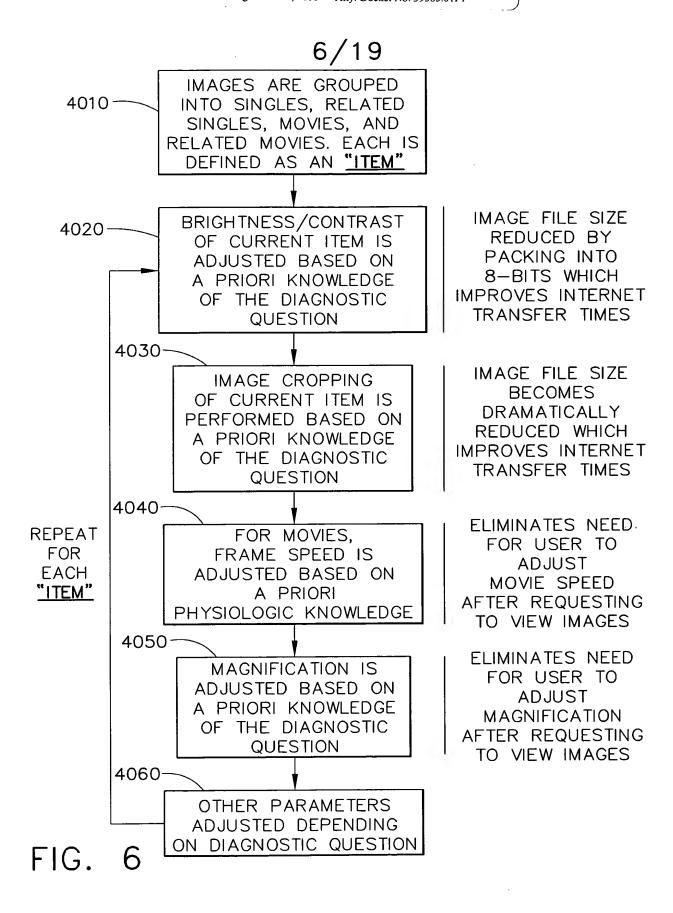


FIG. 5B



STEP 4030 - CREATE THUMBNAIL MOVIES BY CROPPING IMAGES SUCH THAT ONLY THE ORGAN OF INTEREST IS SHOWN (EG. HEART).

THE ORGAN OF INTEREST (EG. HEART) AND SEARCH ALL MOVIE FRAMES FOR THE SINGLE BRIGHTEST BRIGHTEST PIXEL. SCALE ALL MOVIE FRAMES BY SAME AMOUNT TO MAKE SINGLE BRIGHTEST PIXEL TO 2 TO THE 8TH POWER MINUS 1, EG. 255 (1 BYTE/PIXEL, 8-BIT IMAGE).

STEP 4020 — DEFINE SEARCH REGION AS SUBREGION WITHIN IMAGE WHICH CONTAINS

STEP 4040 - CONVERT ALL MOVIE FRAMES INTO A SINGLE MOVIE WITH FRAME RATE CHOSEN TO SIMULATE REAL TIME MOTION (EG. BEATING HEART)

STEP 4050 - CREATE A FULL-FIELD-OF-VIEW VERSION OF EACH THUMBNAIL SO THAT USER CAN DOUBLE-CLICK TO VIEW ADDITIONAL DETAILS.

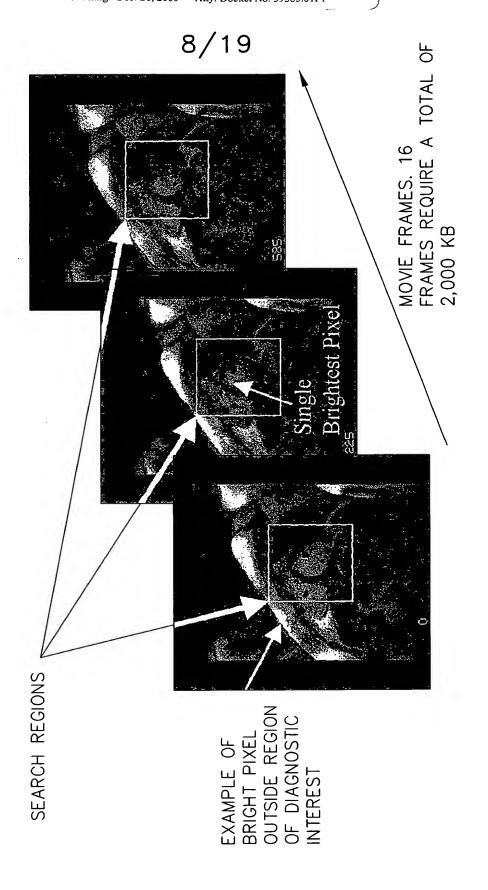


FIG. 7B



EG. STEP 4050 FULL FIELD-OF-VIEW MOVIE DISPLAYED FULL SCREEN WHEN FRAMES=400KB THUMBNAIL CLICKED (16



BEATING HEART (16 FRAMES=100KB)

EG. STEP 4040

FIG. 7C

MEDICAL IMAGE MANAGEMENT SYSTEM
Serial No.: 09/742,575 \* Inventors: Judd et al. \* Pg. 10 of 19 \*
Date of Filing: Dec. 20, 2000 \* Atty. Docket No. 39385.01P1

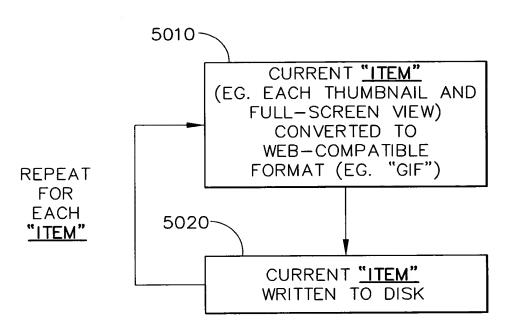


FIG. 8

MEDICAL IMAGE MANAGEMENT SYSTEM
Serial No.: 09/742,575 \* Inventors: Judd et al. \* Pg. 11 of 19 \*
Date of Filing: Dec. 20, 2000 \* Atty. Docket No. 39385.01P1

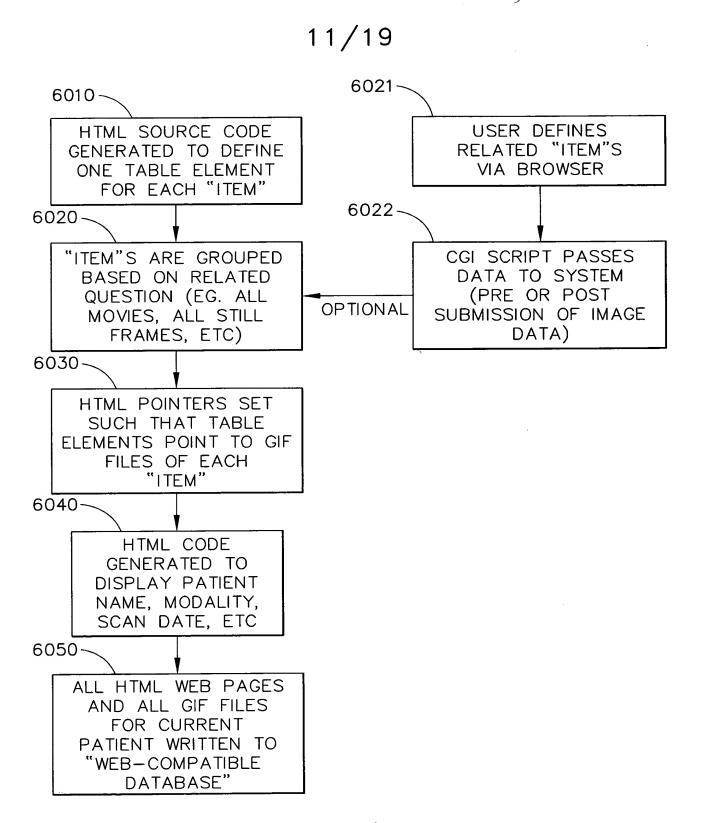
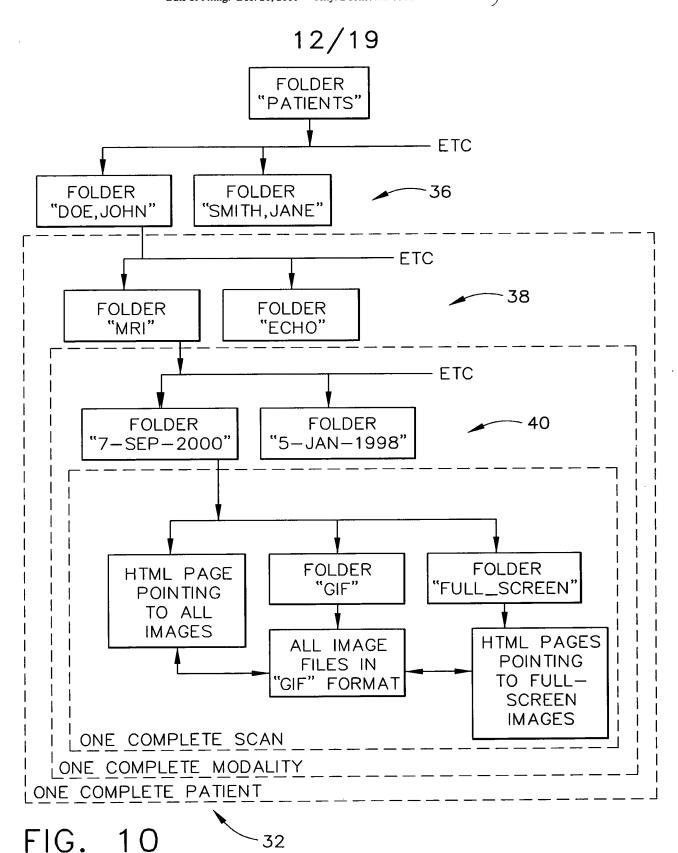
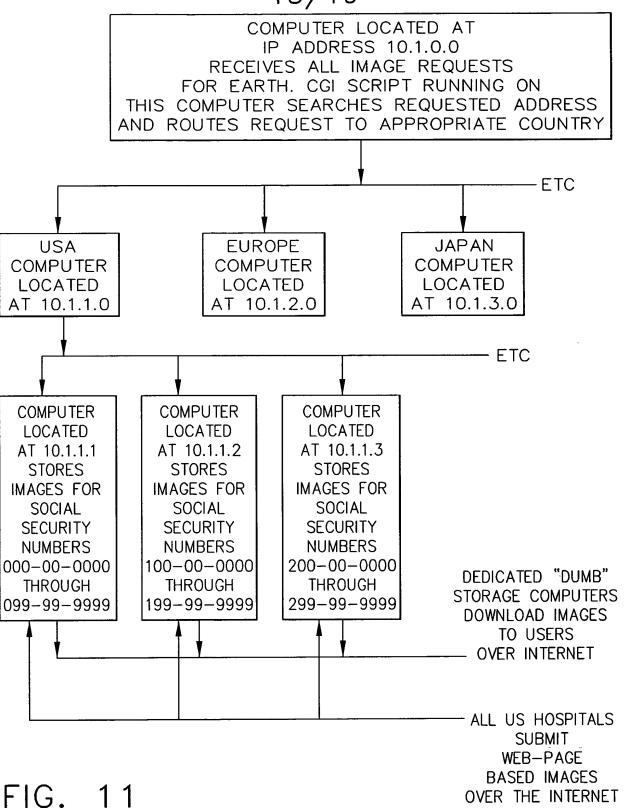


FIG. 9



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MEDICAL IMAGE MANAGEMENT SYSTEM Serial No.: 09/742,575 \* Inventors: Judd et al. \* Pg. 14 of 19 \* Date of Filing: Dec. 20, 2000 \* Atty. Docket No. 39385.01P1

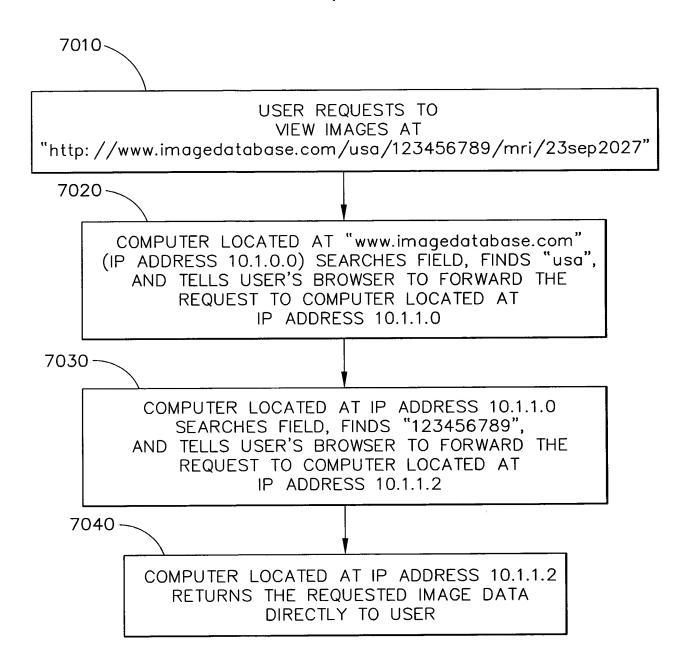
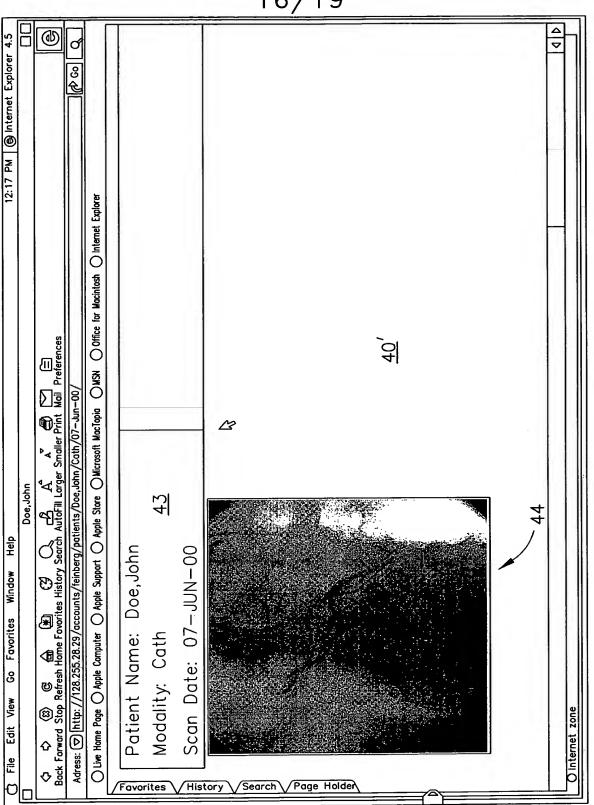


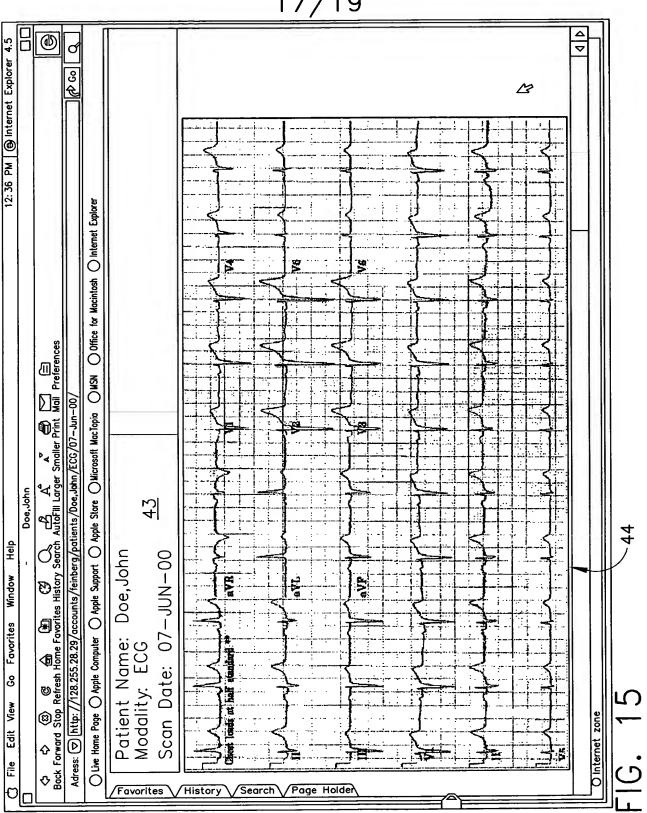
FIG. 12

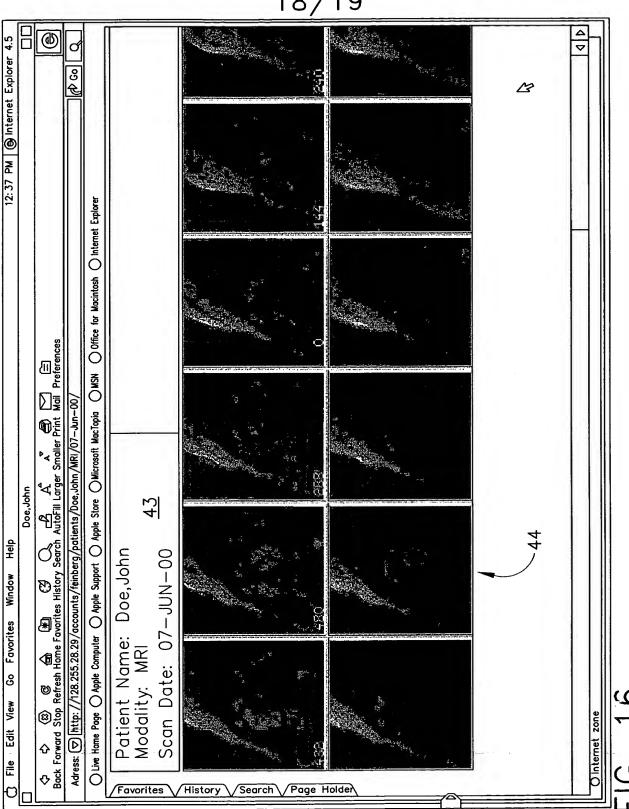
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FIG. 13



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